

GRAND TETON NATIONAL PARK

PUBLIC USE REPORTING AND COUNTING INSTRUCTIONS

Following are detailed instructions for collecting and reporting data to be entered on Form 10-157, Revised, Monthly Public Use Report by Grand Teton National Park. These instructions are effective the date of issuance and will continue in effect unless changed by amendment or by memorandum from the Socio-Economic Studies Division to the superintendent approving a requested change.

Each item below describes the procedures to be followed in collecting public use data and summarizing the various elements of those data for entry on the corresponding line on the 10-157, Monthly Public Use Report.

Recreation Visits

A. Inter-Loop Traffic

1. An inductive loop traffic counter is located on the entrance lane at the Moose kiosk. The traffic count is reduced for Non-reportable vehicles (300 per month November through April or 800 per month May through October) and tour buses.
2. An inductive loop traffic counter is located on the entrance lane at the Buffalo kiosk. The traffic count is reduced for Non-reportable vehicles (300 per month November through April or 4000 per month May through October) and tour buses.
3. An inductive loop traffic counter is located on U.S. 89 at the north entrance (south of JDRF Parkway). The traffic count is reduced for Non-reportable vehicles (300 per month November through April or 600 per month May through October).
4. An inductive loop traffic counter is located on the Moose/Wilson entrance (northbound lane). The traffic count is reduced for Non-reportable vehicles (100 per month November through April or 300 per month May through October).

The reduced traffic counts in 1, 2, 3, and 4 are summed and multiplied by 0.89² to adjust for vehicles crossing more than one traffic counter in the same day. The adjusted traffic count is multiplied by the persons-per-vehicle (PPV) multiplier in Table 1.

B. The reduced traffic counts at U.S. 191 and 89 (total traffic count minus vehicles entering at the Buffalo and Moose entrances) are multiplied by 0.10 to estimate the number of recreation vehicles that do not enter the park at Moose or Buffalo entrances. The adjusted traffic count is multiplied by the PPV multiplier in Table 1.

C. The number of snowmobiles on the Continental Divide trail.

Table 1
Persons-Per-Vehicle Multipliers³

MONTH	PERSONS-PER-VEHICLE MULTIPLIER
JUNE THROUGH AUGUST	2.7
SEPTEMBER THROUGH MAY	2.4

Non--Recreation Visits

A. An inductive loop traffic counter is located on the northbound lane of U.S. 191 at the south entrance (Gros Ventre Junction).

B. An inductive loop traffic counter is located on the westbound lane of U.S. 89 at the east entrance (south of Buffalo entrance).

The total traffic counts in A and B are reduced by the adjusted recreation traffic counts at the Buffalo and Moose entrances, and Non-reportable vehicles (1100 per month November through April or 5700 per month May through October). The reduced traffic count is multiplied by 90 percent to adjust for recreation vehicles that are on U.S. 191 and 89 only. The adjusted traffic count is multiplier by the PPV multiplier of 1.44³.

Recreation Visitor Hours

Recreation visitor hours are the sum of the subtotals of each of the categories listed in Table 2. Each subtotal is the result of multiplying the number of visitors associated with that category by its length-of-stay multiplier.

Table 2
Average Length-of-Stay Multipliers by Category

CATEGORY	AVERAGE LENGTH-OF-STAY
TOTAL RECREATION VISITORS	3.0 HOURS PER VISIT
TOTAL OVERNIGHT STAYS	19.5 HOURS PER OVERNIGHT STAY

Non--Recreation Visitor Hours

Total Non--recreation visits are multiplied by 1.0 hour.

Overnight Stays

Concessionaire Lodging - Triangle X, Jenny Lake Lodge, Climber's Ranch, Lower Saddle Hut, Colter Bay Cabins, Jackson Lake Lodge, and Signal Mountain Lodge

The number of overnight stays at concessionaire managed lodges.

Concessionaire Campgrounds - Colter Bay Tent and Trailer Village

The number of overnight stays by tent and recreational vehicle campers.

NPS Campgrounds - Gros Ventre, Jenny Lake, Lizard Creek, Colter Bay, Signal Mountain, and Hunt Camps

The number of sites occupied by tent and recreational vehicle campers is multiplied by the persons-per-site multiplier of 3.3.

NPS Backcountry - Miscellaneous backcountry sites

The number of backcountry overnight stays.

NPS Miscellaneous - Gros Ventre, Colter Bay, and Roadside campers

A. The number of overnight stays at group camping areas.

B. The number of visitors staying overnight using Non--camping areas in the park.